

FIGURE 1

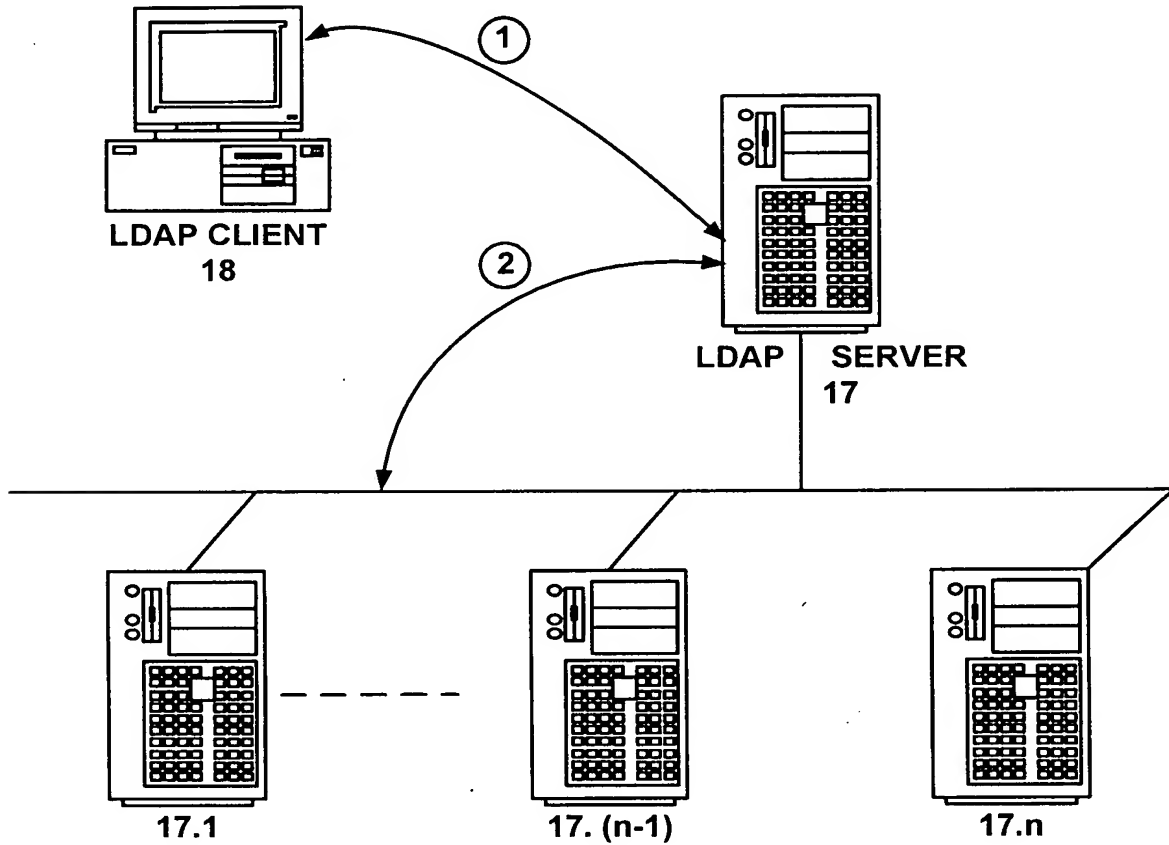


FIGURE 2



TITLE: EXTENDING ROLE SCOPE IN A DIRECTORY SERVER SYSTEM

Inventor(s): Karine Exc ffier and R bert Byrne

USSN: 10/613,660

Attorney Docket #: SUN-P7528

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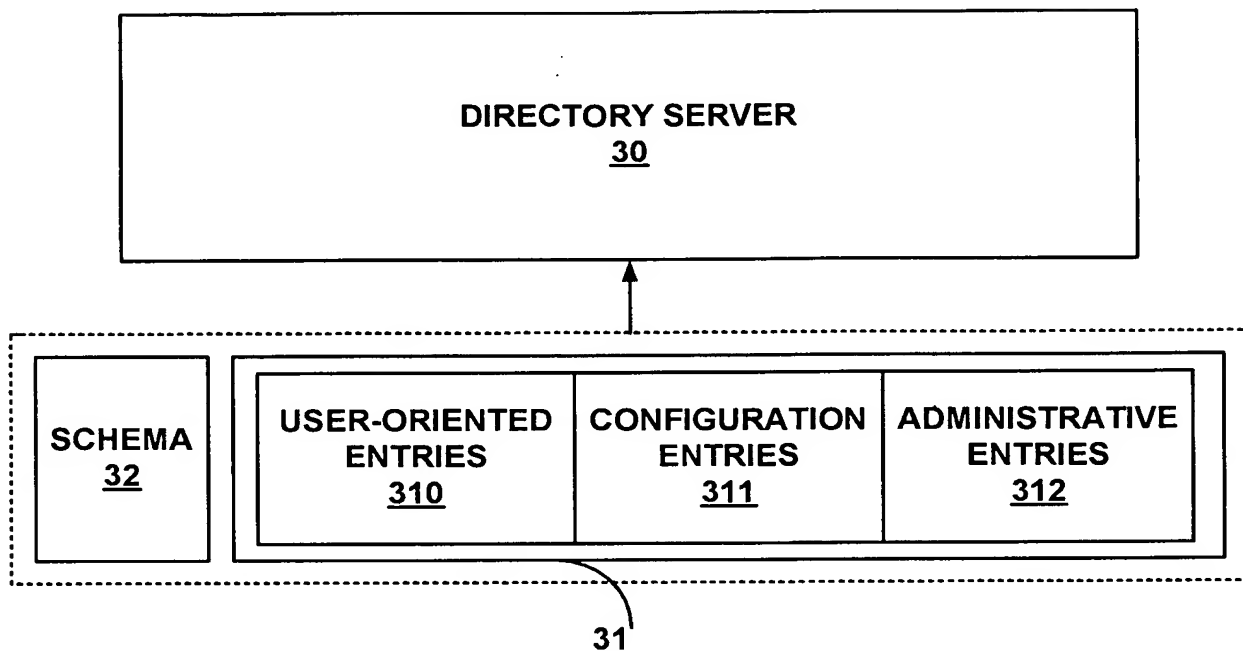


FIGURE 3

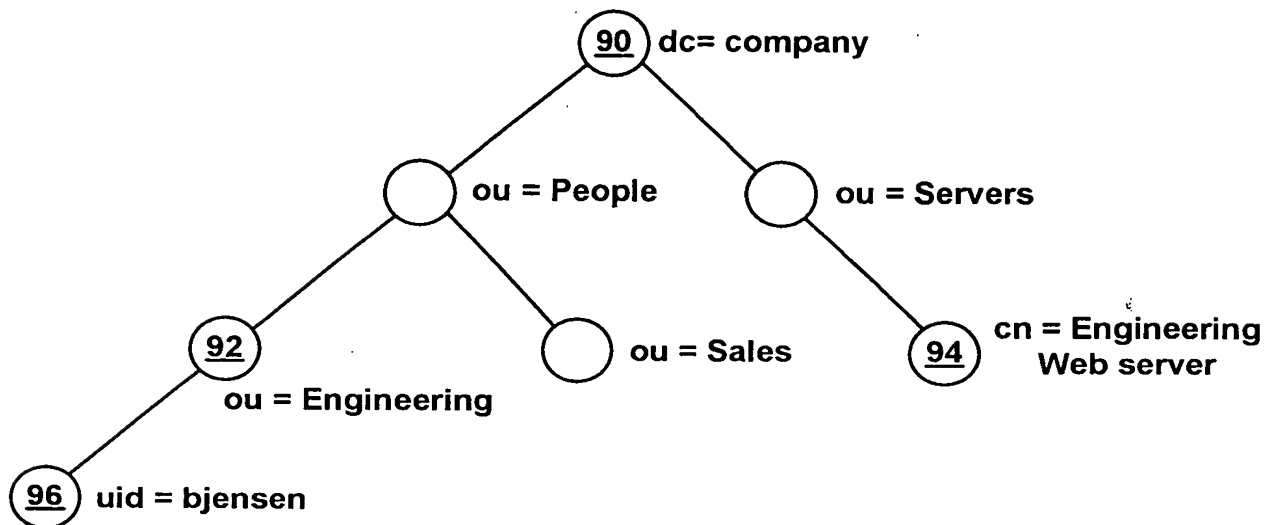
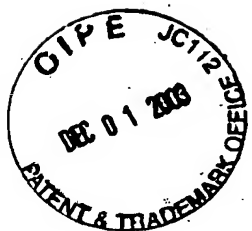


FIGURE 4
(PRIOR ART)



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ENTRY
404

ATTRIBUTE TYPE
400

ATTRIBUTE VALUE
402

dn :	uid=Joe, ou=people, dc=france, dc=sun, dc=com
objectClass :	top
objectClass :	person
objectClass :	organizationPerson
objectClass :	inetOrgPerson
cn :	Joe
sn :	Rayan
uid :	joerayan
mail :	joerayan@sun.com
phoneNumber :	778

FIGURE 5
(PRIOR ART)



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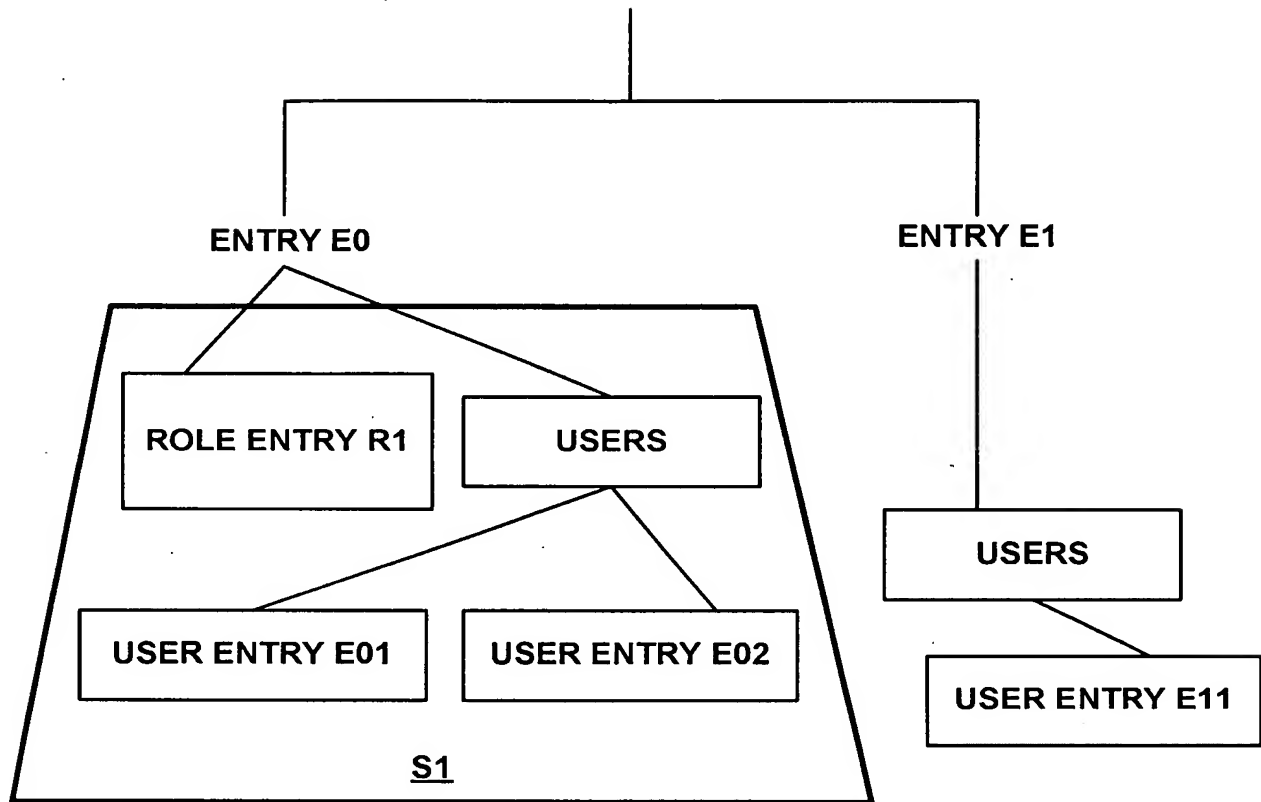


FIGURE 6
(PRIOR ART)



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ROLE TYPE	OBJECT CLASSES <u>71</u>	ATTRIBUTES <u>72</u>
MANAGED ROLE <u>701</u>	nsSimpleRoleDefinition nsManagedRoleDefinition	description (optional)
FILTERED ROLE <u>702</u>	nsComplexRoleDefinition nsFilteredRoleDefinition	NsRoleDN description (optional)
NESTED ROLE <u>703</u>	nsComplexRoleDefinition nsNestedRoleDefinition	NsRoleDN description (optional)

FIGURE 7
(PRIOR ART)

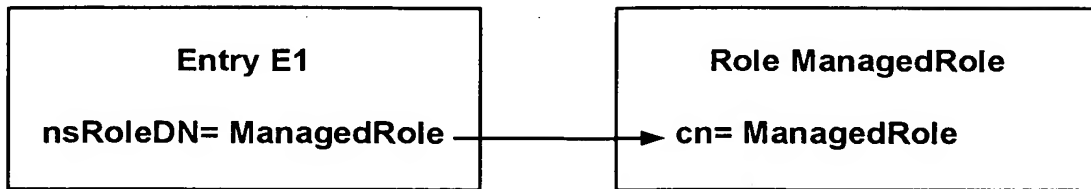


FIGURE 8A
(PRIOR ART)

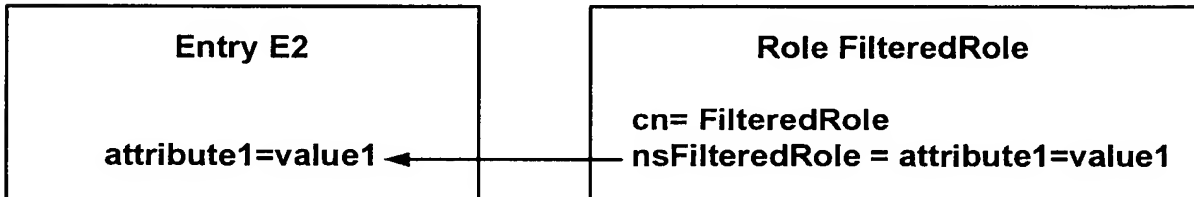


FIGURE 8B
(PRIOR ART)

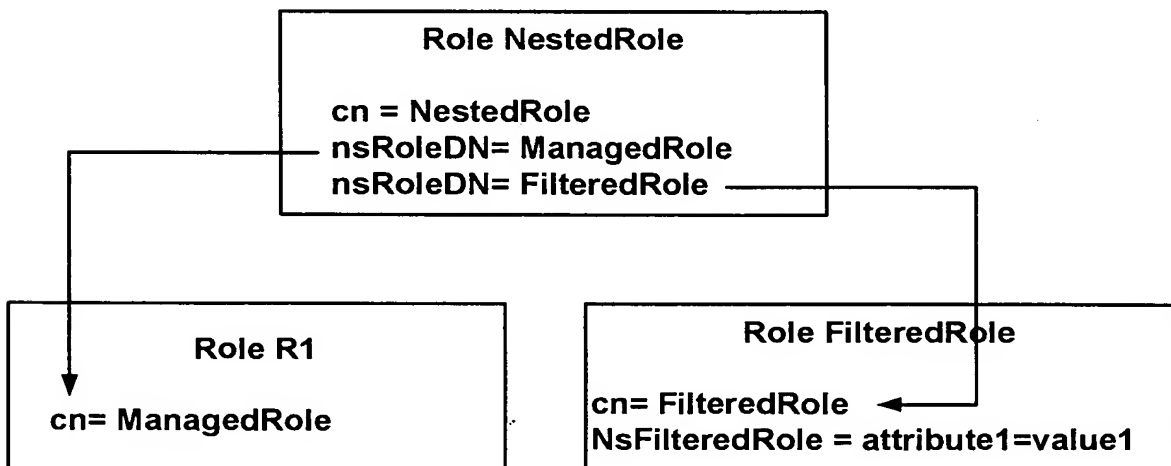


FIGURE 8C
(PRIOR ART)

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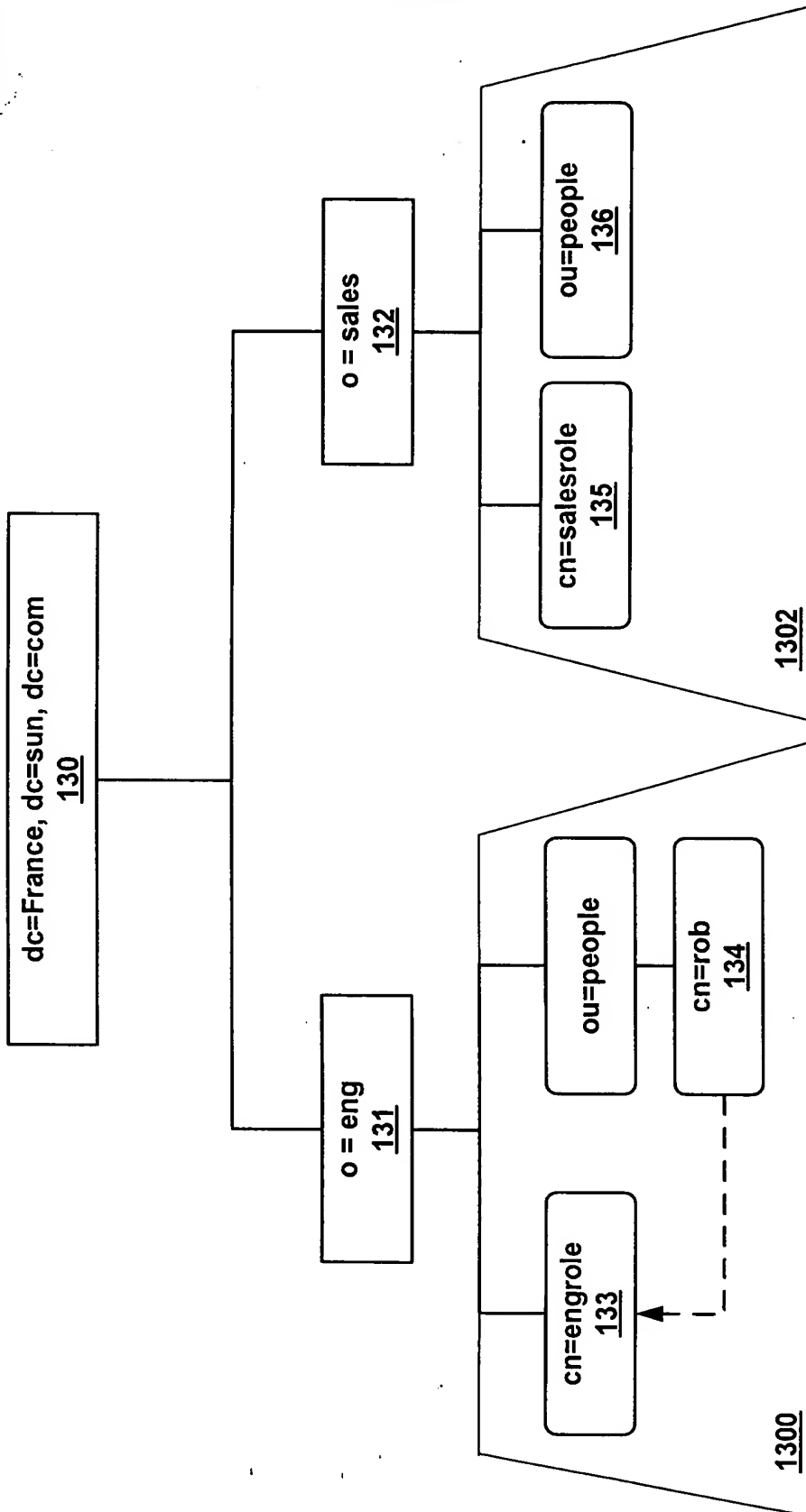


FIGURE 9

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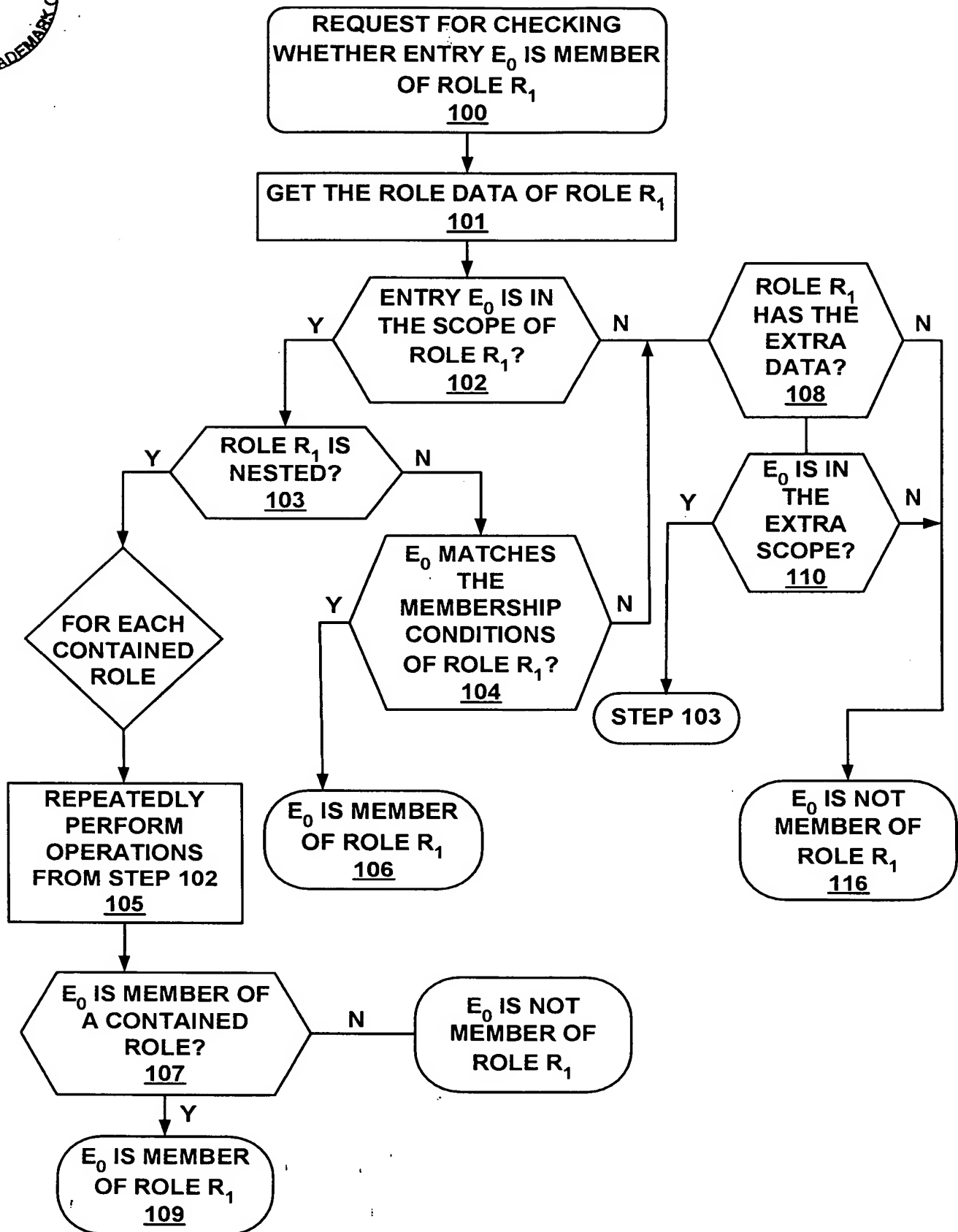


FIGURE 10



TITLE: EXTENDING ROLE SCOPE IN A DIRECTORY SERVER SYSTEM

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USN: 10/613,660

Att rney Docket #: SUN-P7528

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ATTRIBUTES	ATTRIBUTE VALUES
<i>dn</i>	DISTINGUISHED NAME OF THE NESTED ROLE
<i>objectclass</i>	OBJECT CLASSES OF THE NESTED ROLE
<i>nsRoleScopeDn</i>	DISTINGUISHED NAME OF THE EXTENDED SCOPE
<i>nsRoleDn</i>	DISTINGUISHED NAMES OF THE ROLES CONTAINED BY THE NESTED ROLE

FIGURE 11

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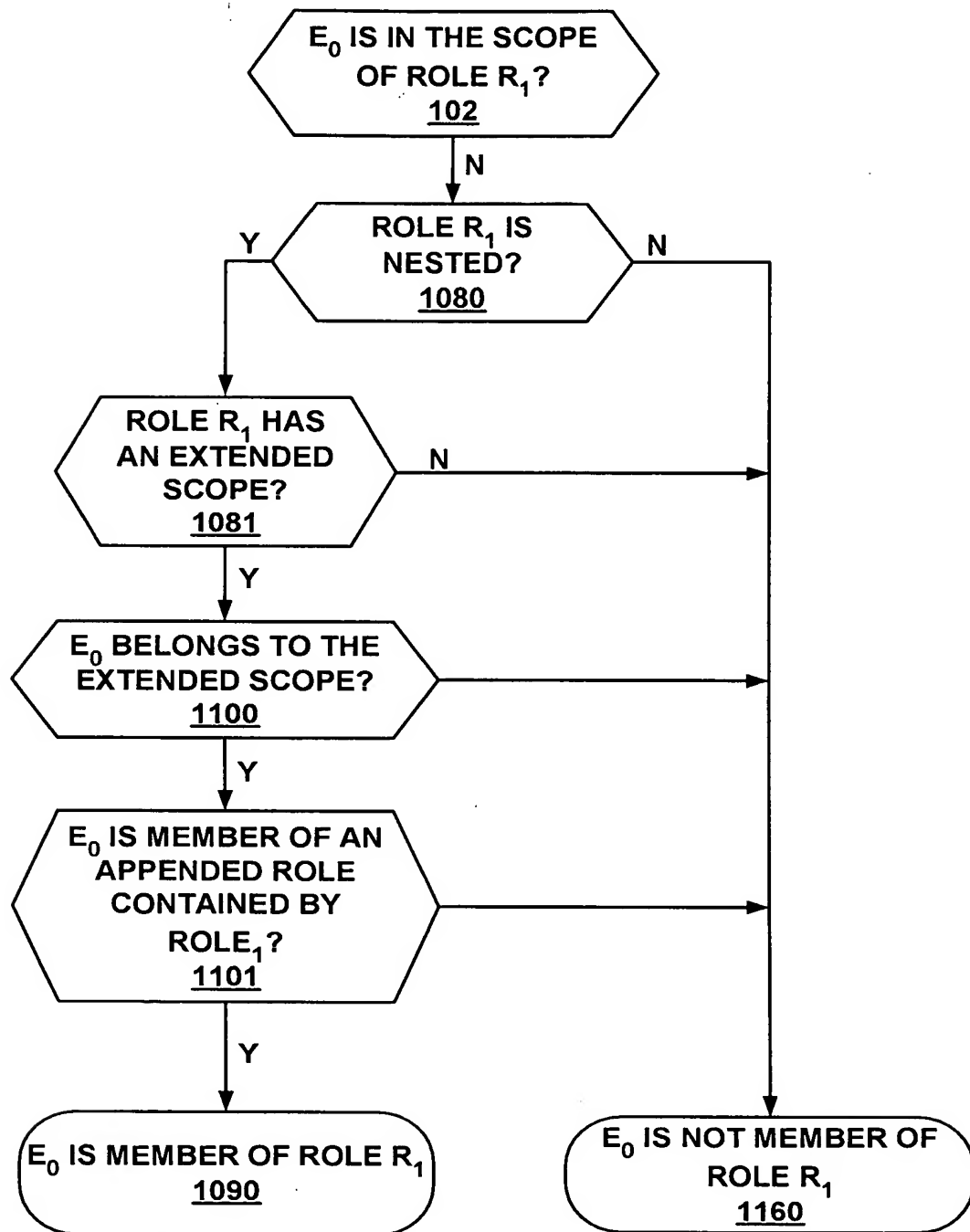


FIGURE 12

TITLE: EXTENDING ROLE SCOPE IN A DIRECTORY SERVER SYSTEM



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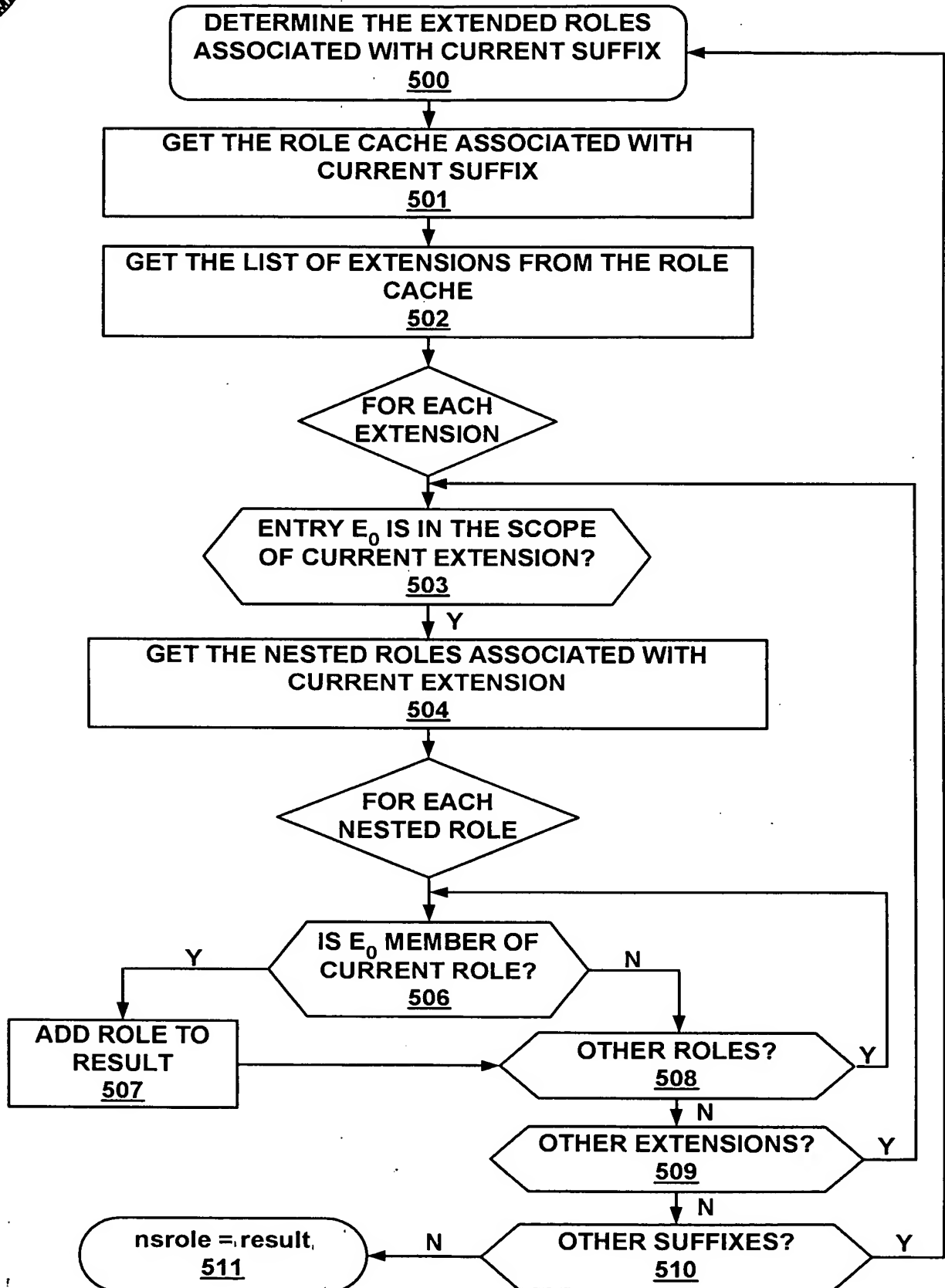


FIGURE 13B

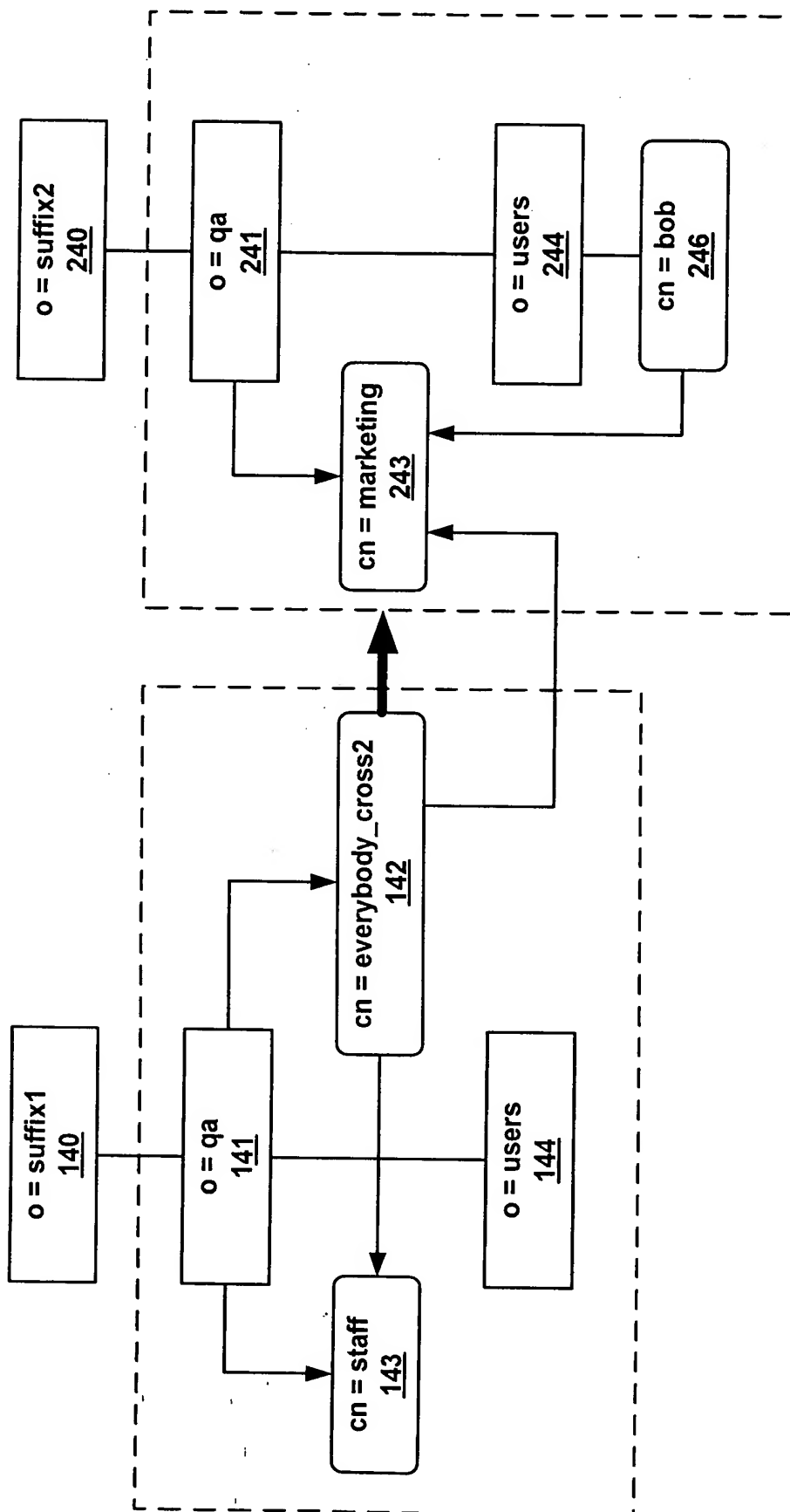


FIGURE 14

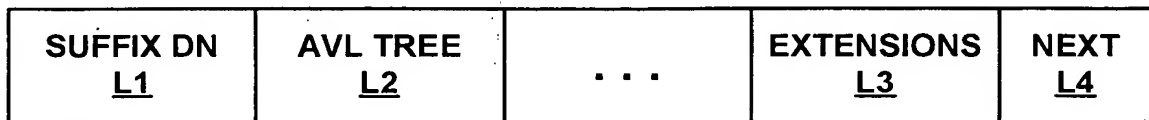


FIGURE 15A

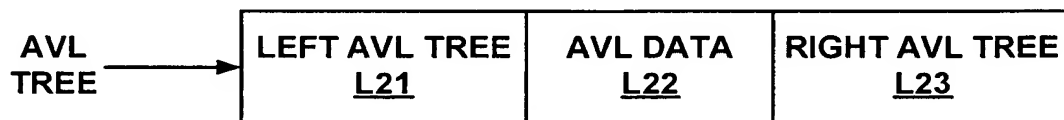


FIGURE 15B

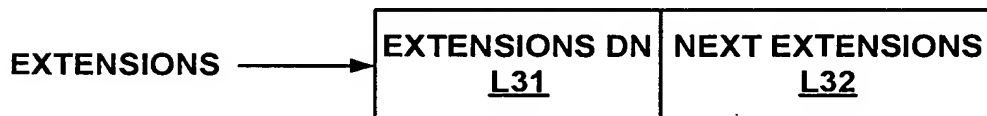


FIGURE 15C

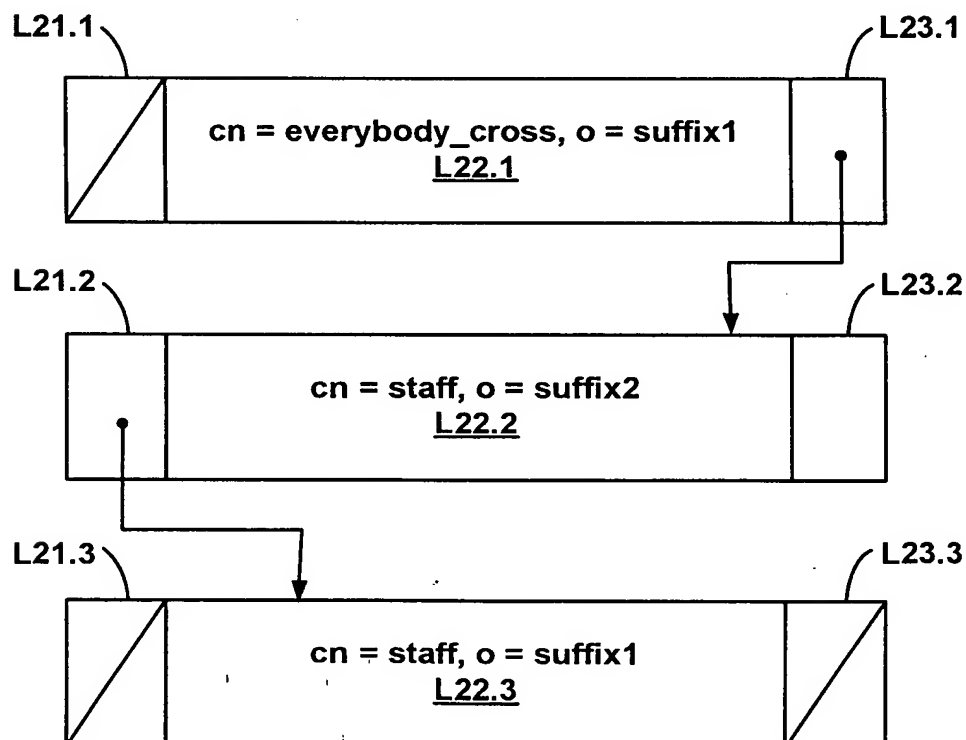
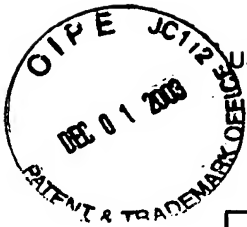


FIGURE 16



ROLE DN <u>L221</u>	ROLE TYPE <u>L222</u>	SCOPE EXTENSION DN <u>L223</u>	AVL TREE <u>L224</u>
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FIGURE 17

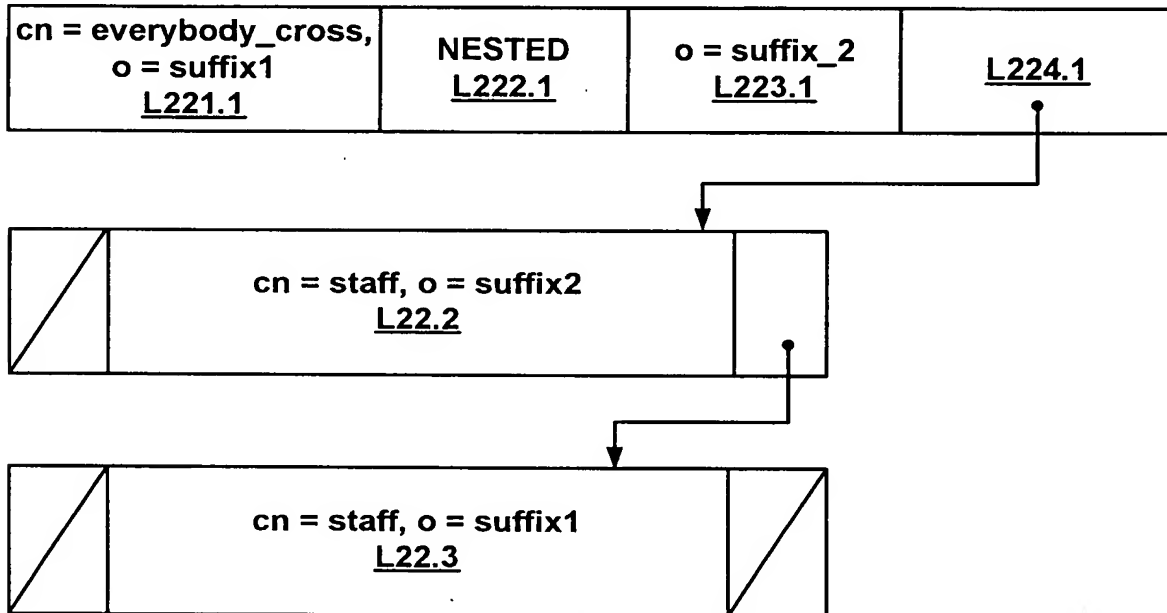


FIGURE 18A

cn = staff, o = suffix2 <u>L221.2</u>	MANAGED <u>L222.2</u>
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FIGURE 18B

cn = staff, o = suffix1 <u>L221.3</u>	MANAGED <u>L222.3</u>
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FIGURE 18C

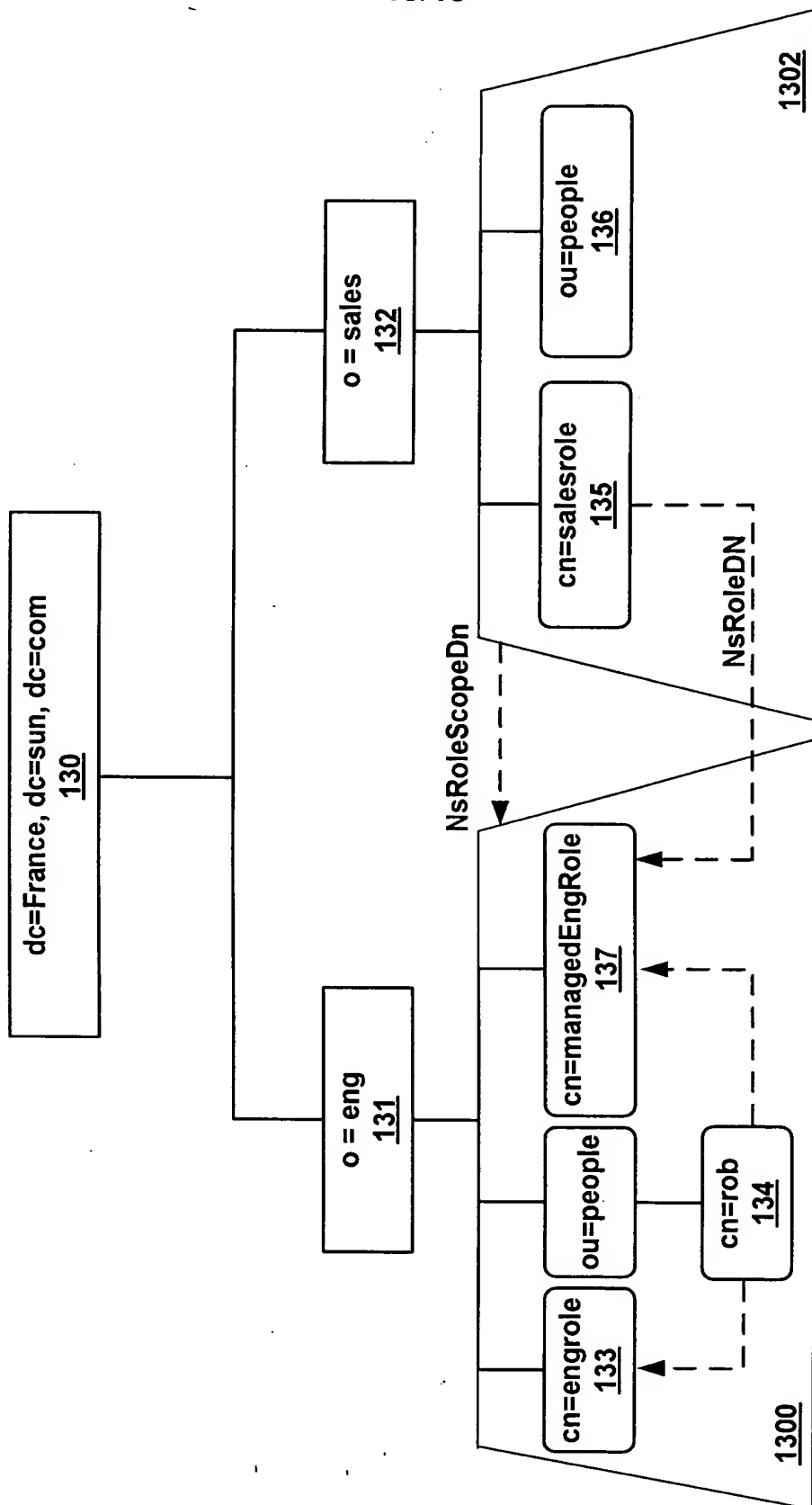


FIGURE 19